

CLAIMS:

1. A decryption device (1) for decrypting an encrypted image (A) displayed on a screen (20) of a display device (2), the decryption device comprising a screen (10) on which a decrypted image (C) can be made visible when the decryption device (1) is superimposed on the screen (20) of the display device, wherein the decryption device further comprises
5 sensor means (11) capable of sensing the position of the decryption device relative to the encrypted image (A).

2. The decryption device according to claim 1, further capable of displaying multiple images.

10 3. The decryption device according to claim 1 or 2, further comprising alignment means (12) for providing alignment signals in response to position signals produced by the sensor means (11).

15 4. The decryption device according to claim 3, wherein the alignment means (12) are arranged for providing visible and/or audible alignment signals so as to assist manual alignment of the decryption device and the display device.

20 5. The decryption device according to claim 3 or 4, wherein the alignment means (12) are arranged for automatic alignment.

6. The decryption device according to claim 5, further arranged for adjusting the position and/or the orientation and/or the size and/or the skew of an image (B) displayed on its screen (10).

25 7. The decryption device according to any of the preceding claims, wherein only part of the screen (10, 20) contains an image, said part preferably being located towards the center of the respective screen.

8. The decryption device according to any of the preceding claims, wherein its screen (10) is at least partially transparent, the decryption device being arranged for displaying a key image (B) on its screen.

5 9. The decryption device according to any of the preceding claims, further comprising a sensor matrix for sensing the encrypted image displayed by the display device, and permuting means for permuting the encrypted image (B) so as to produce a decrypted image (C) which is displayed on its screen (10).

10 10. The decryption device according to any of the preceding claims, wherein the sensor means (11) comprise optical and/or electromagnetic sensors.

11. The decryption device according to claim 10, wherein the sensor means (11) comprise photodiodes and/or charge coupled devices (CCDs).

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12. The decryption device according to any of the preceding claims, wherein the sensor means (11) comprise mechanical sensors.

13. A system for decrypting and displaying encrypted images, the system
20 comprising:

- a display device (2) having a screen (20) for displaying an encrypted image (A), and
- a decryption device (1) for decrypting an encrypted image (A) displayed on the screen (20) of a display device (2),
- the decryption device comprising a screen (10) on which a decrypted image (C) can
25 be made visible when the decryption device (1) is superimposed on the screen (20) of the display device, wherein the decryption device further comprises sensor means (11) capable of sensing the position of the decryption device relative to the display device.

30 14. The system according to claim 13, wherein the decryption device (1) is capable of displaying multiple images.

15. The system according to claim 13 or 14, wherein the display device (2) is provided with alignment images (22).

16. The system according to claim 15, wherein the alignment images (22) are arranged around the screen (20) of the display device.
- 5 17. The system according to claim 15, wherein the alignment images (22) are part of the encrypted image (A).